|           | index of Claims |                       |              |          |           |              |        |         |              |                             |              |           |               | Αp       | Application No. |              |              |           |            |                 |          |          |          |             | Applicant(s) |             |              |              |          |           |          |           |       |   |   |
|-----------|-----------------|-----------------------|--------------|----------|-----------|--------------|--------|---------|--------------|-----------------------------|--------------|-----------|---------------|----------|-----------------|--------------|--------------|-----------|------------|-----------------|----------|----------|----------|-------------|--------------|-------------|--------------|--------------|----------|-----------|----------|-----------|-------|---|---|
|           |                 |                       |              |          |           |              |        |         |              |                             |              |           |               |          | 10/037,716      |              |              |           |            |                 |          |          |          |             |              | WANG ET AL. |              |              |          |           |          |           |       |   |   |
|           |                 |                       |              |          |           |              |        |         |              |                             |              |           | Examiner      |          |                 |              |              |           |            |                 |          |          | Art Unit |             |              |             |              |              |          |           |          |           |       |   |   |
|           |                 |                       |              |          |           |              |        |         |              |                             |              |           | An T. Luu     |          |                 |              |              |           |            |                 |          |          | 2816     |             |              |             |              |              |          |           |          |           |       |   |   |
|           |                 |                       |              |          |           |              |        |         |              |                             | _            | -         |               |          | 70              | <u>!.</u>    | Lu           | uu        |            |                 |          |          |          | <del></del> | 2010         |             |              |              |          |           | i i      |           | -     |   |   |
| •         |                 |                       | <b>V</b>     | R jected |           |              | ]      |         |              | (Through numer<br>Cancelled |              |           |               |          | ral             | ral)         | N            | I         | Non-       |                 | Electe   |          |          | A           | Appeal       |             |              | 7            |          |           |          |           |       |   |   |
|           |                 |                       |              | Allowed  |           |              |        |         | +            | 104.5                       | Restricted   |           |               |          |                 |              | I            |           | Interferer |                 | nce      |          | 0        | Objected    |              |             |              |              |          |           |          |           |       |   |   |
| •         | Cl              | aim                   |              | Date     |           |              |        |         | <del>.</del> |                             | C            | laim      | T             | ÷-       | <u> </u>        |              | Dat          | e.        |            |                 |          | 1        | Гс       | laim        | T            |             | · ·          | Da           | t o      |           |          |           | 7     |   |   |
|           | _ <u> </u>      |                       | 4            |          |           |              |        |         | 11           |                             |              |           |               | T        | T               | T            | Ī            | Ť         | Γ          |                 |          |          |          | -           | 17           | Т           | $\top$       | Ť            | Ť-       | $\top$    | T        | I         | 1     |   |   |
|           | Final           |                       | 5            |          |           |              |        |         |              |                             | Final        | 0         | - 1           |          |                 |              |              |           |            |                 |          |          | Final    | Original    |              |             |              |              |          |           |          |           |       |   |   |
|           | -               | 2                     | 4            |          | +         | +-           | H      | +       | +            |                             |              | 51<br>52  |               | 7-       | $\mp$           | Ŧ            | $oxed{\bot}$ | L         |            |                 |          | ] [      | Mary T   | 101         |              | #           | #            | -            | 1        | 1         | 1        |           |       |   |   |
|           |                 | 3                     | Ш            | 士        | 士         |              |        |         | 1            | _                           |              | 53        | 3             | 士        |                 | 1            | +            | +         | -          | -               |          |          |          | 102<br>103  | +            | -           | +            | +            | +        | +         | +        | +         | -     |   |   |
|           | 1               | 5                     | $\mathbb{H}$ | +        | -         | <del> </del> | H      | -       | +            | 7                           |              | 54        | 1             | 1        | I               | I            | L            | 匚         |            |                 |          |          |          | 104         |              | #           |              |              | #        | 土         |          |           | ]     |   |   |
|           |                 | 6                     | Ш            |          |           |              |        |         | 1            | $\dashv$                    |              | 55<br>56  |               | +        | +               | +            | -            | +         | ┝          |                 | -        | , -      |          | 105<br>106  | $\vdash$     | +           | +            | +            | +        | +         | 1        |           | ļ     |   |   |
|           |                 | 7                     | $\prod$      | 4        |           |              |        | 1       | Ŧ            |                             |              | 57        |               | 工        |                 | İ            |              | L         | 匚          |                 |          |          |          | 107         | 廿            | 1           | 1_           | +            | +        | 1         | +        | $\vdash$  |       |   |   |
|           | )               | 8                     | ++-          | +        | +         | -            | +      | 100     | +            | $\dashv$                    | -            | 58<br>59  | +             | +        | +               | ╀-           | 1            | _         | _          | Ш               | <br>     |          |          | 108         | П            | $\mp$       | 工            | 1.           | I        | I         |          |           | -     |   |   |
| 1         |                 | 10                    | V            | 士        |           |              |        | 士       | 1            |                             |              | 60        |               | +        | +               | +            | +            | $\vdash$  | -          | -               | H        | 1        |          | 109         | -            | +           | -            | +            | +        | +         | -        | $\vdash$  |       |   | , |
| }         |                 | 11<br>12              | 0            | +        | _         | Щ            |        | 7       | Ι.           | $\exists$                   |              | 61        |               | _        |                 |              |              |           |            |                 |          |          |          | 111         |              |             |              |              |          | 1         |          |           |       |   |   |
| ł         |                 |                       | 0            | +        |           | $\vdash$     | 1      | +       | +            |                             | <u></u>      | 62        |               | +        | +               | <del> </del> |              | $\vdash$  | -          | H               |          |          |          | 112         | $\Box$       | 1           | 1            | Ţ            | L        |           |          |           |       |   |   |
|           |                 | 14                    | 0            | 4        | 上         |              |        |         | 1.           |                             | -            | 64        |               | 上        | 1.0             | 1            |              | 100       |            | . *             |          | 1        |          | 114         |              | +           | +            | +            | +        | -         | +        | 100       | ;<br> |   |   |
| ŀ         |                 |                       | У<br>0       | -        |           | $\vdash$     |        | -       | +            | 4                           | <u> </u>     | 65<br>66  |               | 1        | -               | $\vdash$     |              |           |            |                 |          |          | ···      | 115         |              | 工           |              | Ī            |          |           |          | 1         |       | • |   |
| . [       | 201.1           | 17                    | ပ            |          |           |              |        | $\pm$   | +            | Ⅎ                           |              | 67        |               | +        | +               | -            |              |           |            | $\vdash \vdash$ |          | ŀ        | 14-      | 116<br>117  | -            | +           | +            | +            | 1        |           | $\sqcup$ | -         |       |   |   |
| .         |                 | 18                    | 0            | 4        |           | П            |        | 1       | T            |                             |              | 68        |               | $\perp$  |                 |              |              |           |            |                 |          |          |          | 118         |              | 1           | +            | +            | +        | $\vdash$  |          | $\dashv$  |       |   |   |
|           | -               |                       | :/<br>       | +        | +         | $\vdash$     | +      | +       | -            | 4                           |              | 69<br>70  |               | +-       | igapsilon       | <del> </del> | -            | $\vdash$  | ***        | -               |          | -        |          | 119         | $\Box$       | I           | 工            |              |          |           |          |           |       |   |   |
|           |                 | 21                    |              | 士        | - 1       |              |        | 土       |              | 1                           |              | 71        |               | +        | $\vdash$        | $\vdash$     | H            |           | -          | -               | $\dashv$ | ŀ        |          | 120<br>121  | -            | +           | +-           | +            | ╀        | ╀         | H        |           |       |   |   |
|           |                 | 22 23                 | H            |          | 1         | H            |        | ]       |              |                             |              | 72        |               |          |                 |              |              |           |            |                 |          |          |          | 122         |              | 士           | 12           | t            |          |           |          | $\exists$ |       |   |   |
| _         | 16.             | 24                    | $\vdash$     | +        | +         |              | -      | -       | +            | $\dashv$                    | <del> </del> | 73<br>74  | +             | -        |                 | $\vdash$     | H            |           | $\dashv$   |                 | $\dashv$ | -        |          | 123         | 4            | 7           | I.           | $oxed{\Box}$ |          |           |          |           |       |   |   |
| . [       |                 | 25                    | 耳            |          |           |              | 1      | #       |              | 1                           |              | 75        |               | 上        |                 |              |              | 1         | 1          | 1               |          | -        | -0.      | 124<br>125  | +            | +           | +            | -            | -        |           | $\vdash$ | -         |       |   |   |
| +         | $\dashv$        | 26 <sup>:</sup><br>27 | ₩            |          | +         |              | +      | 4       | +            | -                           |              | 76        | _             | $\Box$   |                 |              |              | $\exists$ | $\exists$  | $\dashv$        |          |          |          | 126         |              |             | 1            |              |          |           |          | $\exists$ |       |   |   |
|           |                 | 28                    | =            |          |           |              | +      | -       |              | $\dashv$                    |              | 77        | +             | -        | Н               |              | -            | +         | 4          | -               | 4        | -        | -        | 127.<br>128 | +            | - +         | +            | -            |          |           |          |           |       |   |   |
| L         |                 | 29                    | 4            | $\perp$  | $\square$ | $\Box$       |        | 工       |              | 1                           |              | 79        |               |          |                 | -            |              |           |            | $\dashv$        | 1        | -        |          | 129         | +            | +           | +            | -            | H        |           |          | $\dashv$  | ٠.    |   |   |
| -         |                 | 30                    | ╫            | +-       | 4-1       | $\dashv$     | -      | +       | +            | ∤ 1                         | <u> </u>     | 80<br>81  | _             |          |                 |              | $\Box$       | コ         | $\Box$     |                 |          |          |          | 130         |              |             | 上            |              |          |           |          |           |       |   |   |
|           |                 | 32                    | $\dagger$    | +        | +         |              | +      | +       | +            | 1                           | 41           | 82        | +             | $\vdash$ | . 1             |              | $\dashv$     | +         | $\dashv$   | $\dashv$        | $\dashv$ | -        |          | 131<br>132  |              | +           | <del> </del> |              |          |           | $\dashv$ |           |       |   |   |
| · [       |                 | 33                    | $\prod$      |          |           |              |        |         |              | ] [                         |              | 83        |               |          |                 |              | $\exists$    | 7         |            | +               | *        | $\vdash$ |          | 133         | +            | +           | ╁            | -            | Н        |           |          | $\dashv$  |       |   |   |
|           |                 | 34                    | #            | +        | -         | 4            | -      | 4       | ┿            | 1                           |              | 84        | $\sqsubseteq$ |          |                 | - i          |              | $\exists$ | コ          | П.              |          |          |          | 134         | 士            |             |              |              |          |           |          |           |       |   |   |
| ·         |                 | 36                    | ╁            | +        | +         | +            | +      | +       | +-           | -                           |              | 85<br>86  | ╀╌            | $\vdash$ | $\vdash$        | -            | $\dashv$     | 4         | $\dashv$   | +               | 4        | H        |          | 135         | 4            | $\perp$     |              | П            |          | $\Box$    | $\neg$   | $\exists$ |       |   |   |
|           |                 | 37 i                  | 工            |          |           |              |        | I       |              | 1                           | 3 1          | 87        | $\dagger$     |          |                 | =            | +            | +         | +          | +               | -        | $\vdash$ |          | 136         | 0.0          | ╁           | +-           | $\vdash$     | $\vdash$ | $\vdash$  | $\dashv$ | $\dashv$  |       |   |   |
| -         |                 | 38<br>39              | +            |          | $\square$ | -            | 4      | 1       |              |                             |              | 88        |               |          |                 |              |              |           | コ          | $\perp$         |          |          |          | 138         |              |             |              | . ,          | ΓÌ       |           | $\dashv$ | $\dashv$  |       |   |   |
| <u> -</u> |                 | 40                    | +            | ╁        | ++        | +            | +:     | +       | ╀            | -                           |              | 89<br>90  | ⊬             | Н        | $\dashv$        | 4            |              | 4         | 4          | 4               | 4        |          |          | 139         | I            | I           | $\square$    |              |          | コ         | ユ        |           |       |   |   |
|           |                 | 41                    | 1            | 土        |           | $\pm$        |        |         | +-           | 1                           | _            | 91        | -             |          |                 | +            | +            | +         | +          | +               | $\dashv$ | ⊦        |          | 140<br>141  | +            | +           | H            | H            | $\dashv$ | $\dashv$  | -+       | 4         |       |   |   |
|           |                 | 42<br>43              | +            | +        | Н         |              | $\top$ | T       | $\perp$      |                             |              | 92        |               |          |                 | $\Box$       |              |           | 丁          |                 |          |          |          | 142         |              | +           |              | $\Box$       | 1        |           | +        | -         |       | • |   |
| 1         |                 | 43                    | +            | -        | $\vdash$  | +            | -      | ╁       | +            | 1 1                         |              | 93<br>94  | $\vdash$      | $\vdash$ | $\dashv$        | 4            | +            | 4         | 4          | 4               | 4        |          |          | 143         | $\bot$       | oxday       | П            |              | $\Box$   | $\exists$ | I        |           | •     |   |   |
|           |                 | 45                    |              |          |           |              | +      | +       | +            | 1                           |              | 95        |               |          | -               | +            | +            | +         | +          | -               | -        | $\vdash$ | -+       | 144<br>145  | +            | +-          | $\vdash$     | $\dashv$     |          | -+        | _        | 4         |       |   |   |
| L         |                 | 46                    | $\bot$       |          |           | 4            | T      | 2.2     |              |                             | = .          | 96        |               |          |                 | ユ            | 工            | 土         | Ť          |                 |          |          |          | 146         | +            | +           |              | $\exists$    | $\dashv$ | +         | +        | $\dashv$  |       |   | , |
| -         |                 | 47<br>48              | ╬            | ╁┤       | ++        |              | -      |         | -            |                             | • • •        | 97.<br>98 |               | 4        | 4               | _            | - 1          | 1         | -          | 1               | 4        |          |          | 147-        |              |             |              | $\exists$    |          | コ         | 工        |           |       |   |   |
|           |                 | 49                    |              |          | H         | +            | +      | +       | H            |                             | -+           | 99        |               | $\dashv$ | +               | +            | +            | +         | +          | +               | $\dashv$ | $\vdash$ |          | 148<br>149  | +-           | -           | $\vdash$     |              | $\dashv$ | +         | -        | _         |       |   |   |
|           |                 | 50                    |              |          | $\Box$    | I            |        | $\perp$ |              |                             |              | 100       |               |          |                 | ユ            | 士            | $\pm$     | 士          | 1               | 1        |          |          | 150         |              | $\vdash$    | H            | $\dashv$     | +        | +         | +        | $\dashv$  |       |   | į |